

STRUCTURAL NOTES

1. ALL STEEL MEMBERS SHALL BE ASTM A36.  
 2. SHEAR BOLTS SHALL BE SUBMITTED TO THE CONTRACTING OFFICE FOR APPROVAL AS ACCESSIBLE WITH SPEC. "GENERAL CONDITIONS".  
 CLEARANCES SHALL BE IN ALL DIRECTIONS TO THE DETAIL. ALL MEMBERS SHALL BE IN ACCORDANCE WITH THE STRUCTURAL STEEL DESIGN MANUAL. ALL MEMBERS SHALL BE WELDED TO THE FRAME EXCEPT THE FOLLOWING:  
 1. ALL STEEL JOINTS, END VERTICAL WELDS SHALL BE TYP. J OR B.  
 2. END LAPS SHALL BE TYP. B OR C.  
 3. ALL OTHER MEMBERS SHALL BE WELDED TO THE FRAME.

MECHANICAL NOTES

1. CONTRACTOR SHALL LEAVE MINIMUM SUFFICIENT CLEARANCE BETWEEN NEW DUCT AND EXIST SUSPENDED CEILING TO PERMIT MAINTENANCE OF RECESSED LIGHTS.

LEGEND

- NEW DUCT TYPE
- - - NEW DOMESTIC COLD WATER PIPE
- · - · - EXISTING DOMESTIC COLD WATER PIPE
- NEW GATE VALVE
- S.A. SUPPLY AIR
- R.A. RETURN AIR
- POINT OF CONNECTION NEW W/ EXIST W/

DRAWING NOS  
 27-648  
 27-649

STANDARD DETAILS  
 10-6-12

DESIGN DATA  
 1590-101

NOTE

ALL MEASUREMENTS must be verified at building by the contractor before work indicated hereon is started.

<b>CONSTRUCTION MANAGEMENT DIVISION</b>	
REGIONAL OFFICE	
GENERAL SERVICES ADMINISTRATION	
FEDERAL BUREAU OF INVESTIGATION	
WASHINGTON, D.C.	
PROJECT	FEDERAL BLDG
LOCATION	WASHINGTON, D.C.
STREET	NEW BODENY
CALL NO.	27-648
DATE BY	10-25-71
DESIGNED BY	HRK/RS
PROJECT TITLE: NEW AIR CONDITIONING SYSTEM FOR JCT. 1 DEPT. MECHANICAL STRUCTURAL	
PROJECT NO.	27-648

ELECTRICAL NOTES

1. INSTALLATION SHALL CONFORM TO NATIONAL ELECTRICAL CODE.
2. WIRE SHALL BE SINGLE CONDUCTOR, COPPER, 600V WITH THHN OR EQUIV. INDICATION.
3. INSTALL CONDUIT ABOVE 15" PRESSURE STEAM PIPING MAINLINE AND AT APPROX. SAME HEIGHT AS THE 10" PRESSURE PIPING BRANCHED LINES.
4. CONDUIT RUN TO AIR CONDITIONER ON 3RD FLOOR SHALL FOLLOW PATH OF MECHANICAL INSTALLED SEE MECHANICAL PLAN.
5. SAFETY SWITCH SHALL BE SUPPLIED WITH TYPE "E" FUSE REJECTION KITS. ALL FUSES INSTALLED SHALL BE TYPE "E"; PROVIDE EQUIVALENT GROUNDING BARS SUITABLY FASTENED TO CABINET.
6. DISCONNECT SWITCH SHALL BE SUPPLIED WITH DEYCOOLER AND FUSES. IT SHALL BE INSTALLED BY CONTRACTOR.
7. CONDUIT SHALL BE IN ACCORDANCE WITH FED. SPEC. # 16-C-563.
8. COMPLETED INSTALLATION SHALL TEST FREE OF GROUND OR SHORTS.

SYMBOLS

- CONDUIT UP
- CONDUIT DOWN
- HEAVY DUTY SAFETY SWITCH BODY, IN ACCORDANCE WITH FED. SPEC. # 16-C-563, SEE NOTE # 5
- DISCONNECT SWITCH, IN ACCORDANCE WITH FED. SPEC. # 16-C-563, SEE NOTE # 6
- MCC MOTOR CONTROL CENTER
- E. S. C. OVER STEEL CONDUIT
- CONDUIT RUN EXPOSED
- CONDUIT RUN CONCEALED

NOTE

ALL ELECTRICAL WORK MUST BE VERIFIED BY THE CONTRACTOR BEFORE WORK IS INITIATED ON THE SITE.

CONSTRUCTION MANAGEMENT DIVISION  
REGION #1  
BOSTON, MA

GENERAL SERVICES ADMINISTRATION  
PUBLIC BUILDINGS SERVICE  
BOSTON, MA

DATE	1/16/78
PROJECT	REPAIR AND MAINTENANCE OF 10TH FLOOR
ISSUED FOR	REPAIR AND MAINTENANCE OF 10TH FLOOR
ISSUED BY	167/78
PROJECT NO.	RECONSTRUCTION TRACT 1
ISSUED FOR	DATA SYSTEM
ISSUED BY	DATA SYSTEM
DATE OF	1/16/78
FILE	167/78
TITLE	ELECTRICAL
NO.	27
REV.	691
DATE	

**NOTES**

*I. FOR LEGEND AND NOTES, SEE  
DWB. NO. 27-707*

**NOTE**  
*ALL MEASUREMENTS must be  
verified at building by the contractor  
before work indicated here on is  
started.*

CONSTRUCTION MANAGEMENT DIVISION  
REGION - I BOSTON, MA.

GENERAL SERVICES ADMINISTRATION  
PUBLIC BUILDINGS SERVICE BOSTON, MA.

BUILDING	NAME	JFK FEDERAL OFFICE BUILDING	
	ADDRESS	CAMBRIDGE BLDG 3300	
	CITY	BOSTON	STATE MA
	NUMBER	MAG 5122	

JK 141

STEAM PIPING MAINLINE AND AT APPROX. SAME HEIGHT AS THE LO-PRESSURE PIPING BRANCH LINES.

4. CONDUIT RUN TO AIR CONDITONER ON 3RD FLOOR SHALL FOLLOW PATH OF NEW PIPING INSTALLED SEE MECHANICAL PLAN.
5. SAFETY SWITCH SHALL BE SUPPLIED WITH TYPE "E" FUSE REJECTION KITS. ALL FUSES INSTALLED SHALL BE TYPE "E". PROVIDE EQUIPMENT'S BRANDING BAR SUITABLY FASTENED TO CABINET.
6. DISCONNECT SWITCH SHALL BE SUPPLIED WITH DRY COOLER AND PUMP. IT SHALL BE INSTALLED BY CONTRACTOR.
7. CONDUIT SHALL BE IN ACCORDANCE WITH FED. SPEC. W-1-C-563.
8. COMPLETED INSTALLATION SHALL TEST FREE OF GROUND OR SHORTS.

SYMBOLS

- CONDUIT UP
- CONDUIT DOWN
- HEAVY DUTY SAFETY SWITCH CAB. IN ACCORDANCE WITH FED. SPEC. W-5-C-65 SEE NOTE #5
- ⊕ JUNCTION BOX, W/ WEATHER PROOF
- MCC MOTOR CONTROL CENTER
- R.S.C. RIGID STEEL CONDUIT
- CONDUIT RUN EXPOSED
- CONDUIT RUN CONCEALED

NOTE

ALL MEASUREMENTS must be verified at building by the contractor before work indicated thereon is started.

CONSTRUCTION MANAGEMENT DIVISION  
REGION "I" BOSTON, MA.

GENERAL SERVICES ADMINISTRATION  
PUBLIC BUILDINGS SERVICE BOSTON, MA.

BUILDING	NAME	JFKENNEDY FED. BUILDING		
	ADDRESS	700 ST. NEWBURY		
	CITY	BOSTON	STATE	MA
PROJECT	NUMBER	MA013122		
	DESCRIPTION	AIR CONDITION TRASET		
	DATA SYSTEM	RMA 78597		
DRAWING	DRAWN BY	XP	CHK BY	DATE
	TITLE	RABT PLANS		
	TYPE	ELECTRICAL		
NUMBER	27		691	
	TYPE	SERIES	SEQUENCE	

78

27-691

(R)

(Q)

01E\*E2  
0450  
15 3A-4A  
4 12150  
15 3A-4A

(N)

- MATCHING CEILING TILE.
- CONTROL PANEL SHALL CONSIST OF "STOP/RUN" SWITCH AND "EMERGENCY CONTROL" SETTING.
  - AIR CONDITIONING UNITS ARE TO BE INSTALLED ABOVE CEILING.
  - ALL UNITS ARE TO BE AIR COOLED UTILIZING CEILING PLenum FOR CONDENSER AIR.
  - PROVIDE ACOUSTICAL LINER ON INSIDE OF SUPPLY AND RETURN DUCTS AS SHOWN. LINERS FOR DUCTS TO BE APPROX 3' LONG. LINER TO BE 1" THICK AND DUCT SIZE TO BE INCREASE ACCORDINGLY.
  - CONDENSATE DRAIN LINES SHALL BE TYPE M HARD COPPER TUBING.
  - CONDENSER DISCHARGE DUCT SHALL BE AT LEAST 10'-0" LONG AND HAVE ROUND ELBOWS WHERE REQUIRED.
  - ALL OPEN ENDED DUCTS FOR CONDENSER DISCHARGE AIR (18x12) SHALL HAVE 1/2" SQ SCREEN COVER.

ELECTRICAL NOTFS

- REPLACE EXISTING 20A-2P SPARE WITH 40A-2P BREAKER.
- NEW 240V 2P 30A DISCONNECT SWITCH NEMA TYPE I ENCLOSURE, TAP 80% FUSE AT 20A USING DUAL ELEMENT FUSES
- INSTALL NEW 1P 15A BREAKER
- INSTALL NEW 1P 20A BREAKER
- INSTALL NEW 1P 40A BREAKER

LEGEND

- N.I.C. NOT IN CONTRACT
- ⊕ TIE POINT-NEW WORK TO EXISTING
  - (N) NEW
  - (E) EXISTING TO REMAIN
  - C.R. CEILING REGISTER
  - ☒ CEILING HUNG A.C. UNIT
  - SM MOTOR RATED TOGGLE SW WITHOL
  - CONDUIT RUN ABOVE CEILING
  - ⊕ EXISTING AIR-LIGHT TROFFER TO BE SEALED
  - CD CEILING DIFFUSER
  - A C-1 AIR CONDITIONING UNIT NO. 1

LIST OF DRAWINGS

- 27-707
- 27-708
- 27-709

NOTE

ALL MEASUREMENTS must be verified at building by the contractor before work indicated hereon is started.

K  
6/3/77

CONSTRUCTION MANAGEMENT DIVISION REGION - I BOSTON, MA.	
GENERAL SERVICES ADMINISTRATION PUBLIC BUILDINGS SERVICE BOSTON, MA.	
BUILDING	NAME JFK FEDERAL OFFICE BUILDING
	ADDRESS STOREY CAMBRIDGE CENTER SUBWAY
	CITY BOSTON STATE MA
	NUMBER MAR 13122
PROJECT	DESCRIPTION AIR CONDITIONAL SPECIAL AREAS
	NUMBER EMA 78596
	DRAWN BY [signature] CHECKED BY [signature] DATE 6-26-79
	TITLE FLOODPLAIN-9TH AND 19TH
	TYPE MECHANICAL/ELECTRICAL

- CONDUIT RUN EXPOSED
- CONDUIT RUN CONCEALED ABOVE CEILING
- CONDUIT TURNING DOWN OR AWAY FROM OBSERVER
- CONDUIT TURNING UP OR TOWARDS OBSERVER

**NOTES:**

1. INSTALL 3P-30A-600V FUSED SWITCH AND NECESSARY ACCESSORIES IN SPARE COMPARTMENT OF M.C.C.
2. REMOVE 6-1P-20-277V CIRCUIT BREAKERS. INSTALL 2-3P-50A-180V CIRCUIT BREAKERS. REPLACE DEFECTIVE 1P-20A-277VOLT CIRCUIT BREAKER WITH SURPLUS 1P-20A-277V CIRCUIT BREAKER.

**NOTE**

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CONSTRUCTION MANAGEMENT DIVISION  
REGION 1 BOSTON, MASS.

GENERAL SERVICES ADMINISTRATION  
PUBLIC BUILDINGS SERVICE - WASHINGTON, D.C.

PROJECT J.F. KENNEDY FEDERAL BUILDING

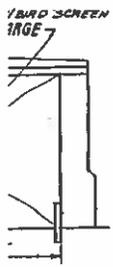
LOCATION BOSTON, MASS.

STREET NEW SUBBURY ST.

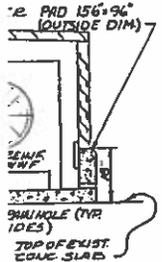
PROJ. NO. RMA75317  
MADE BY A.S. [initials] 8-25-75  
CHECKED BY A.S.

NEW AIR CONDITIONING SYSTEM

*Handwritten:*  
d-210  
F-2  
S-1000



1/2" x 45" (INSIDE DIM.)



2" DOWN

1. REMOVE LOUVERS AS SHOWN ON PAN SIDE OF PENTHOUSE ONLY.
2. COAT FOUR DRAIN HOLES WITH COAL TAR FOR SEALANT.
3. CONCRETE SHALL BE 3000 PSI REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 40. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. CENTER SLAB ON COL.
4. VENT HIGH POINTS IN C.W. MAKE-UP & GLYCOL LINES W/AUTOMATIC TYPE VENTS
5. EXPANSION TANK SHALL BE MOUNTED AT LEAST 60" ABOVE FINISHED FLOOR.

LIST OF DRAWINGS

27-690  
27-691

LIST OF STANDARD DETAILS

10-3-14A

LEGEND

- ⊕ VALVE
- (N) NEW
- (E) EXISTING
- ⊗ — THE POINT NEW WORK TO EXISTING
- COLD WATER (CW)
- S&R SUPPLY & RETURN
- TYP TYPICAL

NOTE

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CONSTRUCTION MANAGEMENT DIVISION REGION-1 BOSTON, MA.	
GENERAL SERVICES ADMINISTRATION PUBLIC BUILDINGS SERVICE BOSTON, MA.	
NAME	J.F. KENNEDY FED. BUILDING
ADDRESS	STREET No. 1-5 JR. 1
CITY	BOSTON STATE MA.
NUMBER	MPD 1312
DESCRIPTION	AIR CONDITION TARGET DATA SYSTEM
NUMBER	RMA 78597
DRAWN BY	C. I. DDD BY ER DATE 6-15-78
TITLE	PLANS AND DETAILS
TYPE	MECHANICAL / STRUCTURAL
NUMBER	27 690

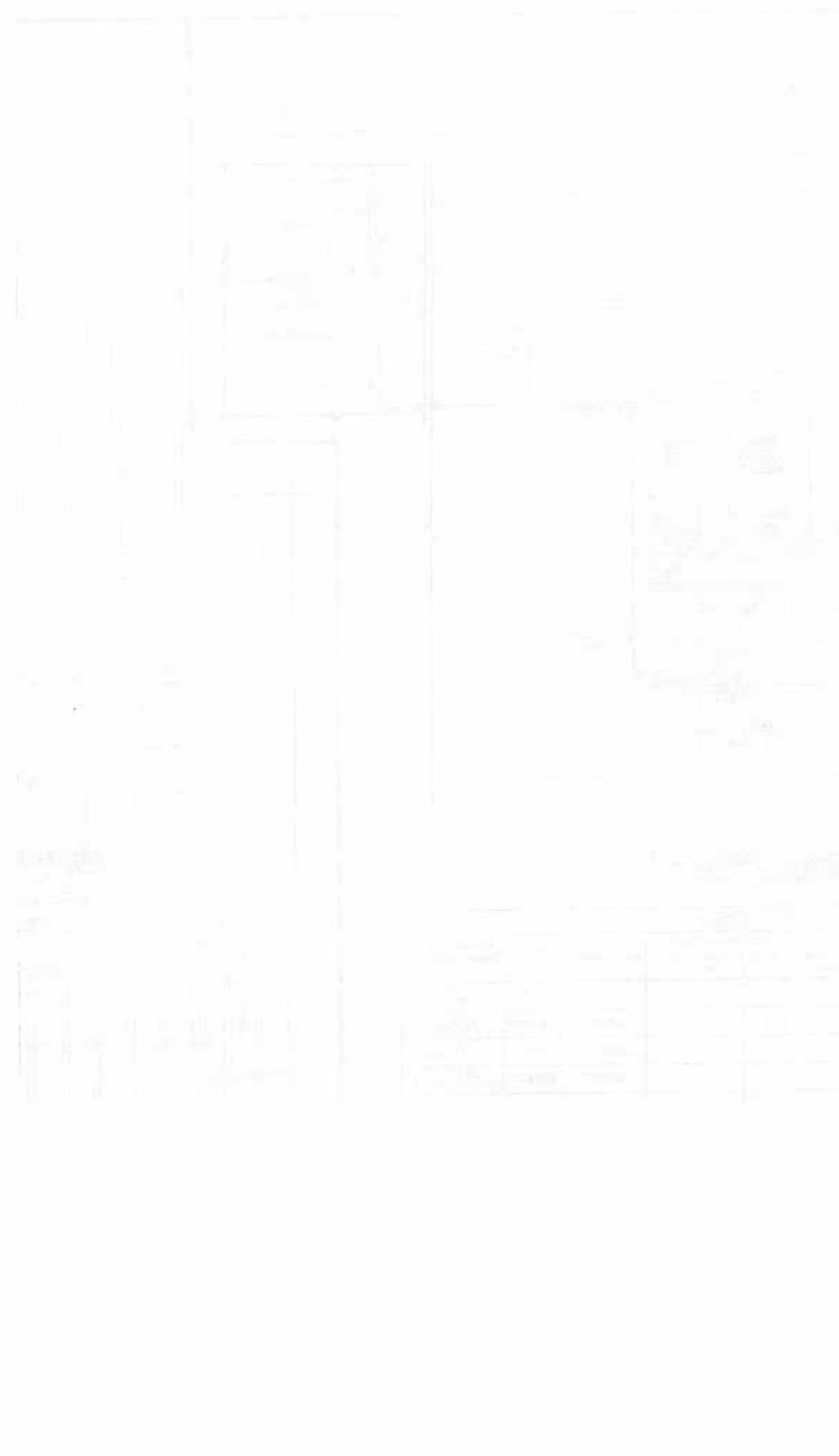
6/16/78  
N

27-690

**NOTES**

1. FOR LEGEND AND NOTES, SEE  
DWG. NO. 27-707.

P  
M  
J  
F  
E  
D



**NOTE**

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started.

CONSTRUCTION MANAGEMENT DIVISION  
REGION - I BOSTON, MA.

GENERAL SERVICES ADMINISTRATION  
PUBLIC BUILDINGS SERVICE BOSTON, MA.

BUILDING	NAME	JFK FEDERAL OFFICE BUILDING		
		CAMBRIDGE CENTER QUARTERS		
	ADDRESS	ADDRESS	CITY	STATE
			BOSTON	MA 02122
	NUMBER	14403122		

JFK m